



FW77S
FW78S

Microwave Oven

Owner's Instructions & Cooking Guide

imagine the possibilities

Thank you for purchasing this Samsung product.

Please be advised that the Samsung warranty does NOT cover service calls to explain product operation, correct improper installation, or perform normal cleaning or maintenance.



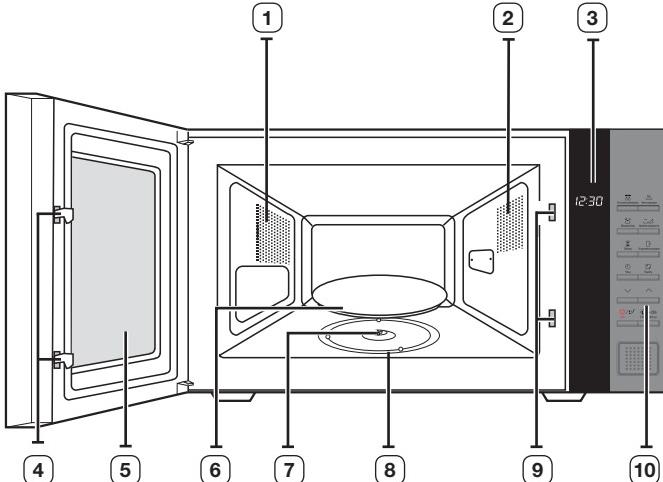
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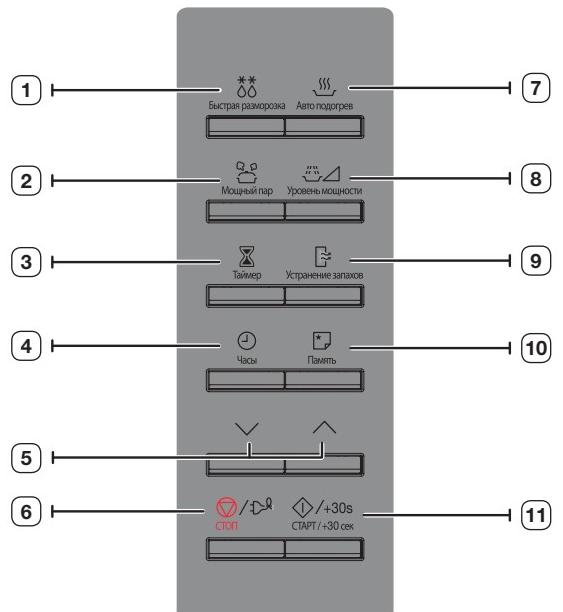
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OVEN

- | | |
|----------------------|---------------------------|
| 1. VENTILATION HOLES | 6. TURNTABLE |
| 2. LIGHT | 7. COUPLER |
| 3. DISPLAY | 8. ROLLER RING |
| 4. DOOR LATCHES | 9. SAFETY INTERLOCK HOLES |
| 5. DOOR | 10. CONTROL PANEL |

CONTROL PANEL



ACCESSORIES

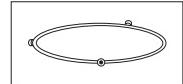
Depending on the model that you have purchased, you are supplied with several accessories that can be used in a variety of ways.

- 1. Coupler**, already placed over the motor shaft in the base of the oven.



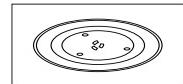
Purpose : The coupler rotates the turntable.

- 2. Roller ring**, to be placed in the centre of the oven.



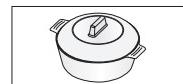
Purpose : The roller ring supports the turntable.

- 3. Turntable**, to be placed on the roller ring with the centre fitting to the coupler.



Purpose : The turntable serves as the main cooking surface; it can be easily removed for cleaning.

- 4. Power steam cooker**, see page 15.



Purpose : Use the plastic steam cooker when using power steam function.

- DO NOT operate the microwave oven without the roller ring and turntable.

USING THIS INSTRUCTION BOOKLET

You have just purchased a SAMSUNG microwave oven. Your Owner's Instructions contain valuable information on cooking with your microwave oven:

- Safety precautions
- Suitable accessories and cookware
- Useful cooking tips
- Cooking tips

IMPORTANT SAFETY INFORMATION

IMPORTANT SAFETY INSTRUCTIONS.

READ CAREFULLY AND KEEP FOR FUTURE REFERENCE.

Before using the oven, confirm that the following instructions are followed.

- Use this appliance only for its intended purpose as described in this instruction manual. Warnings and Important Safety Instructions in this manual do not cover all possible conditions and situations that may occur. It is your responsibility to use common sense, caution, and care when installing, maintaining, and operating your appliance.
- Because these following operating instructions cover various models, the characteristics of your microwave oven may differ slightly from those described in this manual and not all warning signs may be applicable. If you have any questions or concerns, contact your nearest service centre or find help and information online at www.samsung.com.
- This microwave oven is supposed for heating food. It is intended for domestic home-use only. Do not heat any type of textiles or cushions filled with grains, which could cause burns and fire. The manufacturer cannot be held liable for damage caused by improper or incorrect use of the appliance.
- Failure to maintain the oven in a clean condition could lead to deterioration of the surface that could adversely affect the life of the appliance and possible result in a hazardous situation.

LEGEND FOR SYMBOLS AND ICONS

 **WARNING** Hazards or unsafe practices that may result in **severe personal injury or death**.

 **CAUTION** Hazards or unsafe practices that may result in **minor personal injury or property damage**.

 Warning; Fire hazard  Warning; Hot surface

 Warning; Electricity  Warning; Explosive material

 Do NOT attempt.  Follow directions explicitly.

 Do NOT disassemble.  Unplug the power plug from the wall socket.

 Do NOT touch.  Make sure the machine is grounded to prevent electric shock.

 Call the service center for help.  Note

 Important

PRECAUTIONS TO AVOID POSSIBLE EXPOSURE TO EXCESSIVE MICROWAVE ENERGY.

Failure to observe the following safety precautions may result in harmful exposure to microwave energy.

- (a) Under no circumstances should any attempt be made to operate the oven with the door open or to tamper with the safety interlocks (door latches) or to insert anything into the safety interlock holes.
- (b) Do NOT place any object between the oven door and front face or allow food or cleaner residues to accumulate on sealing surfaces. Ensure that the door and door sealing surfaces are kept clean by wiping after use first with a damp cloth and then with a soft dry cloth.
- (c) Do NOT operate the oven if it is damaged until it has been repaired by a qualified microwave service technician trained by the manufacturer. It is particularly important that the oven door closes properly and that there is no damage to the:

- (1) door (bent)
- (2) door hinges (broken or loose)
- (3) door seals and sealing surfaces
- (d) The oven should not be adjusted or repaired by anyone other than a properly qualified microwave service technician trained by the manufacturer.

This product is a Group 2 Class B ISM equipment. The definition of group 2 which contains all ISM equipment in which radio-frequency energy is intentionally generated and/or used in the form of electromagnetic radiation for the treatment of material, and EDM and arc welding equipment.

For Class B equipment is equipment suitable for use in domestic establishments and in establishments directly connected to a low voltage power supply network which supplies buildings used for domestic purposes.

Samsung will charge a repair fee for replacing an accessory or repairing a cosmetic defect if the damage to the unit and/or damage to or loss of the accessory was caused by the customer. Items this stipulation covers include:

IMPORTANT SAFETY INSTRUCTIONS

Make sure that these safety precautions are obeyed at all times.

WARNING



<input checked="" type="checkbox"/> Only qualified staff should be allowed to modify or repair the microwave oven.	✓	✓	✓	✓
<input type="checkbox"/> Do not heat liquids and other food in sealed containers for microwave function.	✓	✓	✓	✓
<input type="checkbox"/> For your safety, do not use high-pressure water cleaners or steam jet cleaners.	✓	✓	✓	✓
<input type="checkbox"/> Do not install this appliance; near heater, inflammable material; in a humid, oily or dusty location, in a location exposed to direct sunlight and water or where gas may leak; on un level ground.	✓	✓	✓	✓
<input type="checkbox"/> This appliance must be properly grounded in accordance with local and national codes.	✓	✓	✓	✓
<input checked="" type="checkbox"/> Remove all foreign substances such as dust or water from the power plug terminals and contact points using a dry cloth on a regular basis.	✓	✓	✓	✓
<input type="checkbox"/> Do not pull or excessively bend or place heavy objecton the power cord.	✓	✓	✓	✓
<input checked="" type="checkbox"/> In the event of a gas leak (such as propane gas, LP gas, etc.), ventilate immediately without touching the power plug.	✓	✓	✓	✓

<input checked="" type="checkbox"/> Do not touch the power plug with wet hands.	✓	✓	✓	✓
<input type="checkbox"/> Do not turn the appliance off by unplugging the power plug while an operation is in progress.	✓	✓	✓	✓
<input checked="" type="checkbox"/> Do not insert fingers or foreign substances, If any foreign substance such as water has entered the appliance, unplug the power plug and contact your nearest service centre.	✓	✓	✓	✓
<input type="checkbox"/> Do not apply excessive pressure or impact to the appliance.	✓	✓	✓	✓
<input type="checkbox"/> Do not place the oven over a fragile object such as a sink or glass object. (Counter top model only.)	✓	✓		
<input type="checkbox"/> Do not use benzene, thinner, alcohol, steam cleaner or high pressure cleaner to clean the appliance.	✓	✓	✓	✓
<input type="checkbox"/> Ensure that the power voltage, frequency and current are the same as those of the product specifications.	✓	✓		✓
<input type="checkbox"/> Plug the power plug into the wall socket firmly. Do not use a multiple plug adapter, an extension cord or an electric transformer.	✓	✓	✓	✓
<input type="checkbox"/> Do not hook the power cord on a metal object, insert the power cord between the objects or behind the oven.	✓	✓	✓	✓
<input type="checkbox"/> Do not use a damaged power plug, damaged power cord or loose wall socket. When the power plug or power cord is damaged, contact your nearest service centre.	✓	✓	✓	✓
<input type="checkbox"/> Appliances are not intended to be operated by means of an external timer or separate remote-control system.	✓	✓		
<input type="checkbox"/> Do not pour or directly spray water onto the oven.	✓	✓		
<input type="checkbox"/> Do not place objects on the oven, inside or on the door of the oven.	✓	✓	✓	
<input type="checkbox"/> Do not spray volatile material such as insecticide onto the surface of the oven.	✓	✓		
<input checked="" type="checkbox"/> Children should be supervised to ensure that they do not play with the appliance. Keep children away from the door when opening or closing it as they may bump themselves on the door or catch their fingers in the door.	✓	✓	✓	✓
<input type="checkbox"/> The appliance is not intended for installing in road vehicles, caravans and similar vehicles etc.	✓	✓	✓	✓

<input type="checkbox"/>	Do not store flammable materials in the oven. Take special care when heating dishes or drinks that contain alcohol as alcohol vapours may contact a hot part of the oven.	✓	✓	✓
<input type="checkbox"/>	The microwave oven is intended to be used on the counter or counter top use only, the microwave oven shall not be placed in a cabinet. (Counter top model only.)	✓	✓	✓
 WARNING:	The appliance and its accessible parts become hot during use. Care should be taken to avoid touching heating elements. Children less than 8 years of age shall be kept away unless continuously supervised.	✓	✓	✓
 WARNING:	Only allow children to use the oven without supervision when adequate instructions have been given so that the child is able to use the oven in a safe way and understands the hazards of improper use.	✓	✓	✓
 WARNING:	This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.	✓	✓	✓
<input type="checkbox"/>	WARNING: If the door or door seals are damaged, the oven must not be operated until it has been repaired by a competent person.	✓	✓	✓
<input type="checkbox"/>	WARNING: It is hazardous for anyone other than a competent person to carry out any service or repair operation that involves the removal of a cover which gives protection against exposure to microwave energy.	✓	✓	✓
<input type="checkbox"/>	WARNING: Ensure that the appliance is switched off before replacing the lamp to avoid the possibility of electric shock.	✓	✓	✓
<input type="checkbox"/>	WARNING: Liquids and other foods must not be heated in sealed containers since they are liable to explode.	✓	✓	✓
<input type="checkbox"/>	WARNING: Accessible parts may become hot during use. To avoid burns young children should be kept away.	✓	✓	

 WARNING:	Microwave heating of beverages can result in delayed eruptive boiling, therefore care must be taken when handling the container; To prevent this situation ALWAYS allow a standing time of at least 20 seconds after the oven has been switched off so that the temperature can equalize. Stir during heating, if necessary, and ALWAYS stir after heating.	✓	✓	✓
	In the event of scalding, follow these FIRST AID instructions:	✓	✓	✓
	<ul style="list-style-type: none"> • Immerse the scalded area in cold water for at least 10 minutes. • Cover with a clean, dry dressing. • Do not apply any creams, oils or lotions. 			
 WARNING:	During use the appliance becomes hot. Care should be taken to avoid touching heating elements inside the oven.	✓	✓	✓
 WARNING:	The contents of feeding bottles and baby food jars shall be stirred or shaken and the temperature checked before consumption, in order to avoid burns;		✓	
 WARNING:	The appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.	✓	✓	✓
 WARNING:	This oven should be positioned proper direction and height permitting easy access to cavity and control area.	✓	✓	✓
 WARNING:	Before using the your oven first time, oven should be operated with the water during 10 minute and then used.	✓	✓	✓
 WARNING:	This microwave oven has to be positioned so that plug is accessible. If the oven generates a strange noise, a burning smell, or smoke is emitted, unplug the power plug immediately and contact your nearest service center.	✓	✓	✓
<input type="checkbox"/>	during cleaning conditions the surfaces may get hotter than usual and children should be kept away. (Cleaning function model only.)	✓	✓	
<input type="checkbox"/>	Excess spillage must be removed before cleaning and utensils which state in cleaning manual can be left in the oven during cleaning. (Cleaning function model only.)	✓	✓	✓
 WARNING:	Appliance should allow to disconnection of the appliance from the supply after installation. The disconnection may be achieved by having the plug accessible or by incorporating a switch in the fixed wiring in accordance with the wiring rules. (Built-in model only.)	✓	✓	✓
 WARNING:	If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.	✓		

	WARNING: When the appliance is operated in the combination mode, children should only use the oven under adult supervision due to the temperatures generated.	<input checked="" type="checkbox"/>	
	The temperature of accessible surfaces may be high when the appliance is operating.	<input checked="" type="checkbox"/>	
	The door or the outer surface may get hot when the appliance is operating.	<input checked="" type="checkbox"/>	

CAUTION					
	Only use utensils that are suitable for use in microwave ovens; DO NOT use any metallic containers, Dinnerware with gold or silver trimmings, Skewers, forks, etc. Remove wire twist ties from paper or plastic bags. Reason: Electric arcing or sparking may occur and may damage the oven.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
	When heating food in plastic or paper containers, keep an eye on the oven due to the possibility of ignition;	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
	Do not use your microwave oven to dry papers or clothes.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
	Use shorter times for smaller amounts of food to prevent overheating and burning food.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
	If smoke is observed, switch off or unplug the appliance and keep the door closed in order to stifle any flames;	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
	The oven should be cleaned regularly and any food deposits removed;	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
	Do not immerse the power cable or power plug in water and keep the power cable away from heat.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
	Eggs in their shell and whole hard-boiled eggs should not be heated in microwave ovens since they may explode, even after microwave heating has ended; Also do not heat airtight or vacuum-sealed bottles, jars, containers, nuts in shells, tomatoes etc.		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
	Do not cover the ventilation slots with cloth or paper. They may catch fire as hot air escapes from the oven. The oven may also overheat and switch itself off automatically, and will remain off until it cools sufficiently.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
	Always use oven mitts when removing a dish from the oven to avoid unintentional burns.		<input checked="" type="checkbox"/>		

	Do not touch heating elements or interior oven walls until the oven has cooled down.	<input checked="" type="checkbox"/>	
	Stir liquids halfway during heating or after heating ends and allow the liquid stand at least 20 seconds after heating to prevent eruptive boiling.	<input checked="" type="checkbox"/>	
	Stand at arms length from the oven when opening the door to avoid getting scalded by escaping hot air or steam.	<input checked="" type="checkbox"/>	
	Do not operate the microwave oven when it is empty. The microwave oven will automatically shut down for 30 minutes for safety purposes. We recommend placing a glass of water inside the oven at all times to absorb microwave energy in case the microwave oven is started accidentally.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Do not use harsh abrasive cleaners or sharp metal scrapers to clean the oven door glass since they can scratch the surface, which may result in shattering of the glass.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Install the oven in compliance with the clearances stated in this manual. (See installing your microwave oven.)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Take care when connecting other electrical appliances to sockets near the oven.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

CORRECT DISPOSAL OF THIS PRODUCT (WASTE ELECTRICAL & ELECTRONIC EQUIPMENT)

(Applicable in countries with separate collection systems)

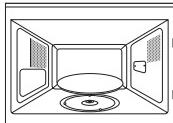
This marking on the product, accessories or literature indicates that the product and its electronic accessories (e.g. charger, headset, USB cable) should not be disposed of with other household waste at the end of their working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate these items from other types of waste and recycle them responsibly to promote the sustainable reuse of material resources.

Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take these items for environmentally safe recycling.

Business users should contact their supplier and check the terms and conditions of the purchase contract. This product and its electronic accessories should not be mixed with other commercial wastes for disposal.

INSTALLING YOUR MICROWAVE OVEN

1. Remove all packing materials inside the oven.
Install the roller ring and turntable.
Check that the turntable rotates freely.



2. This microwave oven has to be positioned so that plug is accessible.
 - If the supply cord is damaged, it must be replaced by a special cord or assembly available from the manufacturer or its service agent.
For your personal safety, plug the cable into a 3-pin, 230 Volt, 50 Hz, AC earthed socket. If the power cable of this appliance is damaged, it must be replaced by a special cable.
 - Do not install the microwave oven in hot or damp surroundings like next to a traditional oven or radiator. The power supply specifications of the oven must be respected and any extension cable used must be of the same standard as the power cable supplied with the oven.
Wipe the interior and the door seal with a damp cloth before using your microwave oven for the first time.

INSTALLATION INSTRUCTIONS MICROWAVE OVEN

This appliance complies with the EU regulations.

Disposal of packaging and appliance.

The appliance's packaging is recyclable.

The following can be used:

- cardboard;
- polyethylene film (PE);
- CFC-free polystyrene(PS rigid foam).

Dispose of these materials in a responsible manner and in accordance with government regulations.

The authorities can provide you with information about how to dispose of discarded domestic appliances in a responsible manner.

Safety

The appliance should only be connected by a qualified technician.

The microwave oven has been designed for domestic use.

You should use it exclusively for cooking food.

The appliance is hot during and after use.

Bear this in mind if young children come anywhere near the appliance.

Installation near to a conventional oven.

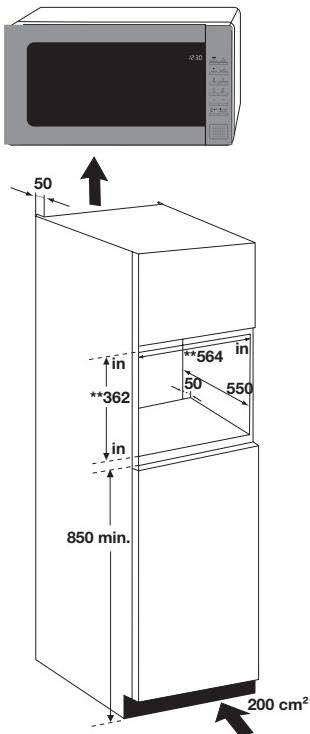
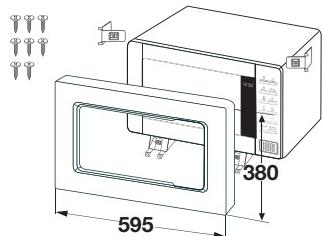
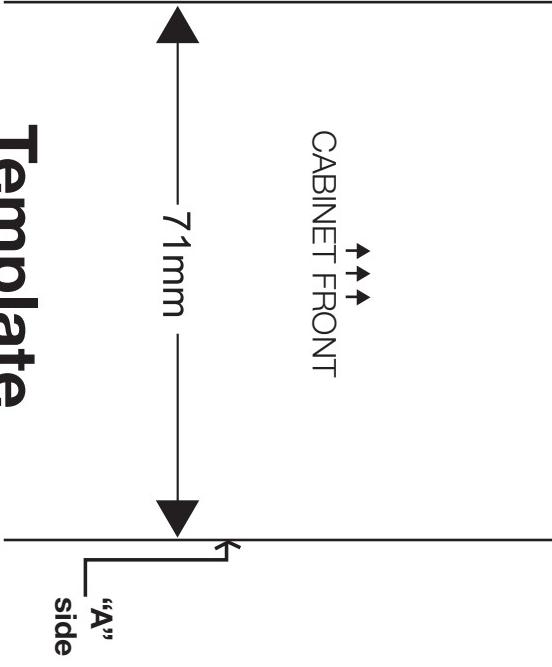
- Where a microwave oven is to be installed next to a conventional oven, sufficient space between them should be allowed to prevent overheating, as the surround can wrap with excessively high temperatures, Obviously, it is important to adhere strictly to the conventional oven manufacturer's installation instruction.

- A built-in microwave oven must not be installed above a conventional oven otherwise the microwave oven's cooling system may be adversely affected by hot air produced by the conventional oven.

Electrical connection

The house mains to which the appliance is connected should comply with national and local regulations.

If you wish to make a fixed connection, ensure that a multipolar switch with a minimum contact spacing of 3 mm is fitted in the supply line.

Building-in dimensions**Template**

1. Use the 3mm drill to make holes. Fix screws into BKT-Install. (Fig1)
2. Insert the microwave oven into the cabinet. (Fig2)
3. Use the template to place the BKT-Base 71mm away from "A" side of the cabinet. (Fig3)
4. Use the 3mm drill to make holes. Fix screws into BKT-Base. (Fig4)
5. Attach the surround. (Fig5)
6. Make the electrical connection. Check that the appliance work.

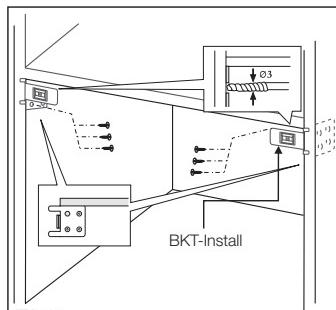


Fig1

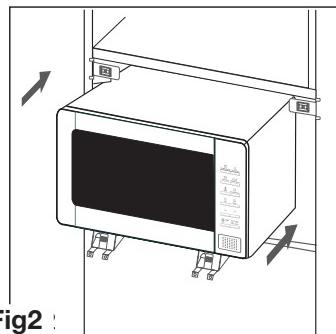


Fig2

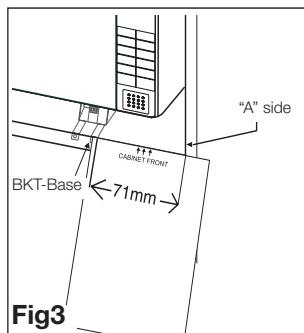


Fig3

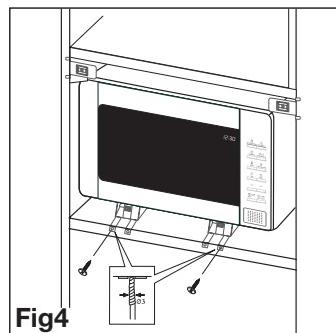


Fig4

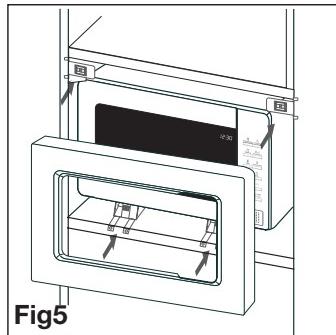


Fig5

SETTING THE TIME

Your microwave oven has an inbuilt clock. When power is supplied, “:0”, “88:88” or “12:00” is automatically displayed on the display.

Please set the current time. The time can be displayed in either the 24-hour or 12-hour notation. You must set the clock:

- When you first install your microwave oven
- After a power failure

 Do not forget to reset the clock when you switch to and from summer and winter time.

1. To display the time in the...

24-hour notation

12-hour notation

Press the **Clock** (⌚) button once or twice.



2. Press the (▽) and (△) buttons to set the hour.



3. Press the (⌚) button.



4. Press the (▽) and (△) buttons to set the minute.



5. Press the (⌚) button.



WHAT TO DO IF YOU ARE IN DOUBT OR HAVE A PROBLEM

If you have any of the problems listed below try the solutions given.

This is normal.

- Condensation inside the oven.
- Air flow around the door and outer casing.
- Light reflection around the door and outer casing.
- Steam escaping from around the door or vents.

The oven does not start when you press the (▷) button.

- Is the door completely closed?

The food is not cooked at all.

- Have you set the timer correctly and/or pressed the (▷) button?
- Is the door closed?
- Have you overloaded the electric circuit and caused a fuse to blow or a breaker to be triggered?

The food is either overcooked or undercooked.

- Was the appropriate cooking length set for the type of food?
- Was an appropriate power level chosen?

Sparking and cracking occur inside the oven (arcing).

- Have you used a dish with metal trimmings?
- Have you left a fork or other metal utensil inside the oven?
- Is aluminum foil too close to the inside walls?

The oven causes interference with radios or televisions.

- Slight interference may be observed on televisions or radios when the oven is operating. This is normal. To solve this problem, install the oven away from televisions, radios and aerials.
- If interference is detected by the oven's microprocessor, the display may be reset. To solve this problem, disconnect the power plug and reconnect it. Reset the time.

 If the above guidelines do not enable you to solve the problem, contact your local dealer or SAMSUNG after-sales service.

COOKING/REHEATING

The following procedure explains how to cook or reheat food.
ALWAYS check your cooking settings before leaving the oven unattended.
First, place the food in the centre of the turntable. Then, close the door.

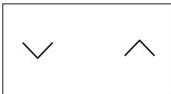
1. Press the (W) button.

Result : The 850 W (maximum cooking power) indications are displayed:



Select the appropriate power level by pressing the (W) button again until the corresponding wattage is displayed. Refer to the power level table.

2. Set the cooking time by pressing the (V) and (^) buttons as required.



3. Press the (D) button.

Result : The oven light comes on and the turntable starts rotating.

- 1) Cooking starts and when it has finished the oven beeps four times.
- 2) The end reminder signal will beep 3 times (once every minute).
- 3) The current time is displayed again.

Never switch the microwave oven on when it is empty.

If you wish to heat a dish for a short period of time at maximum power (850 W), simply press the **+30s** button once for each 30 seconds of cooking time. The oven starts immediately.



POWER LEVELS

You can choose among the power levels below.

Power level	Output
	MWO
HIGH	850 W
MEDIUM HIGH	600 W
MEDIUM	450 W
MEDIUM LOW	300 W
DEFROST (D)	180 W
LOW/KEEP WARM	100 W

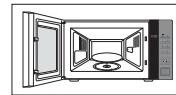
If you select higher power level, the cooking time must be decreased.

If you select lower power level, the cooking time must be increased.

STOPPING THE COOKING

You can stop cooking at any time to check the food.

1. To stop temporarily;
Open the door.



Result : Cooking stops. To resume cooking, close the door and press (D) again.

2. To stop completely;
Press the (S) button.



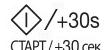
Result : The cooking stops. If you wish to cancel the cooking settings, press the **Stop** (S) button again.

You can also cancel any setting before starting by simply pressing **Stop** (S).

ADJUSTING THE COOKING TIME

You can increase the cooking time by pressing the **+30s** button once for each 30 seconds to be added.

Press the **+30s** button once for each 30 seconds to be added.



USING THE DEODORIZER FEATURE

Use this feature after cooking odorous food or when there is a lot of smoke in the oven interior.

Press the **Deodorization** (匚) button after you have finished cleaning. You will hear four beeps

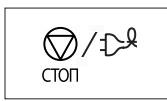


- 匚 The deodorization time has been specified as 5 minutes. It increases by 30 seconds whenever the **+30s** button is pressed.
- 匚 The maximum deodorization time is 15 minutes.

SETTING THE ENERGY SAVE MODE

The oven has an energy save mode. This facility saves electricity when the oven is not in use.

- Press the **Energy Save** (匚) button.
- To remove energy save mode, open the door and then display shows current time. The oven is ready for use.



USING THE AUTO REHEAT FEATURE

The Auto Reheat feature has 3 pre-programmed cooking time.

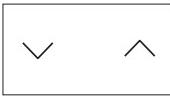
You do not need to set either the cooking times or the power level.

You can adjust the number of servings by pressing the (▽) and (△) buttons. First, place the food in the centre of the turntable and close the door.

1. Select the type of food that you are cooking by pressing the **Auto Reheat** (匚) button once or more times.



2. Select the size of the serving by pressing the (▽) and (△) buttons. (Refer to the table on the side).



3. Press the (◊) button.

- Result :**
- Cooking starts. When it has finished.
 - 1) The oven beeps four times.
 - 2) The end reminder signal will beep 3 times (once every minute).
 - 3) The current time is displayed again.

- 匚 Use only recipients that are microwave-safe.

AUTO REHEAT SETTINGS

The following table presents the various Auto Reheat Programmes, quantities, standing times and appropriate recommendations.

Code/Food	Portion	Standing time
1. Ready Meal (chilled)	300-350 g 400-450 g	3 min.
Recommendations		
Put on a ceramic plate and cover with microwave cling film. This programme is suitable for meals consisting of 3 components (e.g. meat with sauce, vegetables and a side dishes like potatoes, rice or pasta).		
2. Ready Meal (frozen)	300-350 g 400-450 g	4 min.
Recommendations		
Take frozen ready meal and check if dish is suitable for microwave. Pierce film of ready meal. Put the frozen ready meal in the centre. This programme is suitable for frozen ready meals consisting of 3 components (e.g. meat with sauce, vegetables and a side dish like potatoes, rice or pasta).		
3. Drinks Coffee, milk, tea, water (room- temperature)	150 ml (1 cup) 250 ml (1 mug)	1-2 min.
Recommendations		
Pour into a ceramic cup (150 ml) or mug (250 ml) and place in the centre of turntable. Reheat uncovered. Stir carefully before and after standing time. Be careful while taking the cups out (see safety instructions for liquids).		

USING THE AUTO POWER DEFROST FEATURE

The Auto Rapid Defrost feature enables you to defrost meat, poultry or fish. The defrost time and power level are set automatically. You simply select the programme and the weight.

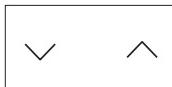
 Use only dishes that are microwave-safe.

First, place the frozen food in the centre of the turntable and close the door.

1. Press the **Power Defrost** 



2. Select the food weight by pressing the  and  buttons. It is possible to set up to a maximum of 1500 g.



3. Press the  button.

Result :

- Defrosting begins.
- The oven beeps half way through defrosting to remind you to turn the food over.
- Press  button again to finish defrosting.



 You can also defrost food manually. To do so, select the microwave cooking/reheating function with a power level of 180 W. Refer to the section entitled "Cooking/Reheating" on page 12 for further details.

AUTO POWER DEFROST SETTINGS

The following table presents the Power Defrost programme, quantities, standing times and appropriate recommendations. Remove all kind of package material before defrosting. Place meat, poultry and fish on a flat ceramic plate.

Food	Serving size (g)	Standing time (min.)	Recommendations
 Meat	200-1500	15-60	Shield the edges with aluminium foil. Turn the pieces over, when the oven beeps.
 Poultry			This programme is suitable for meat such as steaks, chops or minced meat, chicken pieces, whole chicken or fish fillets.
 Fish			

USING THE AUTO POWER STEAM FUNCTION

With the power steam feature, the cooking time is set automatically. You can adjust the number of servings by pressing the (▽) and (△) buttons.

Use the plastic steam cooker when using power steam function.

First, place the frozen food in the centre of the turntable and close the door.

1. Select the type of food that you are cooking by pressing the **Power Steam** button once or more times.



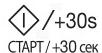
2. Select the size of the serving by pressing the (▽) and (△) buttons. (Refer to the table on the side page.)



3. Press the (▷) button.

Result: Cooking starts. When it has finished:

- The oven beeps four times.
- The end reminder signal will beep 3 times (once every minute)
- The current time is displayed again.



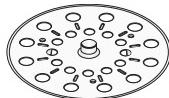
Use only recipients that are microwave-safe.

Power steam cooking hint

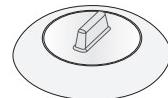
Components of Power Steam Cooker



Bowl

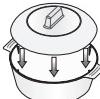


Insert tray

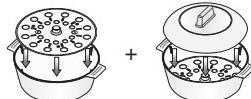


Lid

Handling of Power Steam Cooker



Bowl + lid



Bowl with insert tray+ lid

AUTO POWER STEAM SETTINGS

The following table presents the 4 Auto Programs of the Power Steam function, quantities, standing times and appropriate recommendations. Use the plastic steam cooker when using power steam function.

Food/Code	Serving size (g)	Standing time (min.)
1. Rice	250 g 375 g	4-5 min.
Recommendations		
Put white rice (parboiled) into the steam cooker. Add 500 ml cold water when cooking 250 g rice and add 750 ml water for 375 g rice. Close lid of steam cooker. After cooking remove moisture in the cavity by using kitchen paper.		
2. Peeled Potatoes	100-150 g / 200-250 g 300-350 g / 400-450 g 500-550 g	2-3 min.
Recommendations		
Weigh the potatoes after peeling, washing and cutting into similar size. Put them into the steam cooker. Add 15-30 ml (1-2 tablespoons) water when steaming 100-350 g, add 45-60 ml (3-4 tablespoons) for 400-550 g. Close lid of steam cooker		
3. Fresh Vegetables	100-150 g / 200-250 g 300-350 g / 400-450 g	1-2 min.
Recommendations		
Weigh the vegetables after washing, cleaning and cutting into similar size. Put them into the steam cooker with the insert tray. Add 30 ml (2 tablespoons) water, when steaming 100-350 g, add 45 ml (3 tablespoons) for 400-450 g. Close lid of steam cooker. After steaming stir carefully before standing time.		
4. Fruit Compote	100-150 g / 200-250 g 300-350 g / 400-450 g	2-3 min.
Recommendations		
Weigh the fresh fruits after peeling and washing and cut into similar slices or cubes. Put into steam cooker. When steaming 100-350g fruits add 15-30 ml (1-2 tbsp.) water, for 400-450 add 45ml (3 tbsp.). Additionally add 1-2 tbsp. sugar. Close lid of steam cooker. After steaming stir carefully. This programme is suitable for apples, pears, plums, apricots, mangoes or pineapple.		

MANUAL STEAM COOK SETTINGS

Food	Portion	Power	Time (min.)	Standing time (min.)
Artichokes	300 g (1-2 pcs)	850 W	5-6	1-2
	Instructions			
Rinse and clean artichokes. Put tray into bowl. Set artichokes on tray. Add one tablespoon lemon juice. Cover with lid.				
Fresh Vegetables	300 g	850 W	4-5	1-2
	Instructions			
Weigh the vegetables (e.g. broccoli, cauliflower, carrots, pepper) after washing, cleaning and cutting into similar size. Put tray into bowl. Distribute vegetables on tray. Add 2 tablespoons water. Cover with lid.				
Frozen Vegetables	300 g	600 W	7-8	2-3
	Instructions			
Put the frozen vegetables into the steam bowl. Put tray into bowl. Add 1 tablespoon water. Cover with lid. Stir well after cooking and standing.				
Rice	250 g	850 W	15-18	5-10
	Instructions			
Put rice into the steam bowl. Add 500 ml cold water. Cover with lid. After cooking let stand white rice 5 minutes, brown rice 10 minutes.				
Jacket Potatoes	500 g	850 W	7-8	2-3
	Instructions			
Weigh and rinse the potatoes and put them into steam bowl. Add 3 tablespoons water. Cover with lid.				
Stew (chilled)	400 g	600 W	5-6	1-2
	Instructions			
Put stew into the steam bowl. Cover with lid. Stir well before standing.				

Food	Portion	Power	Time (min.)	Standing time (min.)
Soup (chilled)	400 g	850 W	3-4	1-2
	Instructions			
Pour into steam bowl. Cover with lid. Stir well before standing.				
Frozen Soup	400 g	850W	8-10	2-3
	Instructions			
Put frozen soup into steam bowl. Cover with lid. Stir well before standing.				
Frozen Yeast Dumpling with Jam Filling	150 g	600 W	1-2	2-3
	Instructions			
Moist the top of filled dumplings with cold water. Put 1-2 frozen dumplings side by side into the steam bowl. Cover with lid.				
Fruit Compote	250 g	850 W	3-4	2-3
	Instructions			
Weigh the fresh fruits (e.g. apples, pears, plums, apricots, mangoes or pineapple) after peeling, washing and cutting into similar sizes or cubes. Put into steam bowl. Add 1-2 tablespoons water and 1-2 tbsp. sugar. Cover with lid.				

SETTING A STANDING TIME

The Hold Time can be used to set a standing time automatically (without microwave cooking).

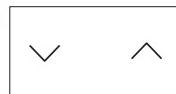
Use the plastic steam cooker when using power steam function.

First, place the frozen food in the centre of the turntable and close the door.

1. Press the **Kitchen Timer** button.



2. Select the size of the serving by pressing the () and () buttons.



3. Press the () button.

Result : Standing time starts. When it has finished:

- The oven beeps four times.
- The current time is displayed again.



USING THE MEMORY FEATURE

If you often cook or reheat the same types of dishes, you can store the cooking times and power levels in the oven's memory, so that you do not have to reset them each order.

You can store two different setting.

Storing the Setting.

1. To programme the...

Then press the **Memory** (button...)

First setting

Once (Display is P1)

Second setting

Twice (Display is P2)



Память

2. Set your cooking programme as usual (cooking time and power level) see if necessary.



3. Press () button.

Result : Your setting are now stored in the oven's memory.



Using the settings.

First, place the food in the centre of the turntable and close the door.

1. To select the...

Then press the **Memory** (button...)

First setting

Once (Display is P1)

Second setting

Twice (Display is P2)



Память

2. Press () button.

Result : The food is cooked as requested.



SWITCHING THE BEEPER OFF

You can switch the beeper off whenever you want.

1. Press the (⌚) and (⌚) buttons at the same time.

Result :

- The following indication is displayed.



- The oven does not beep each time you press a button.



2. To switch the beeper back on, press the (⌚) and (⌚) buttons again at the same time.

Result :

- The following indication is displayed.



- The oven operates with the beeper on again.



SAFETY-LOCKING YOUR MICROWAVE OVEN

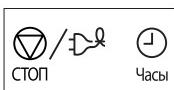
Your microwave oven is fitted with a special Child Safety programme, which enables the oven to be "locked" so that children or anyone unfamiliar with it cannot operate it accidentally.

The oven can be locked at any time.

1. Press the (⌚) and (⌚) buttons at the same time.

Result :

- The oven is locked (no functions can be selected).
- The display shows "L".



2. To unlock the oven, press the (⌚) and (⌚) buttons again at the same time.

Result :

- The oven can be used normally.



COOKWARE GUIDE

To cook food in the microwave oven, the microwaves must be able to penetrate the food, without being reflected or absorbed by the dish used. Care must therefore be taken when choosing the cookware. If the cookware is marked microwave-safe, you do not need to worry. The following table lists various types of cookware and indicates whether and how they should be used in a microwave oven.

Cookware	Microwave-safe	Comments
Aluminum foil	✓ ✗	Can be used in small quantities to protect areas against overcooking. Arcing can occur if the foil is too close to the oven wall or if too much foil is used.
Crust plate	✓	Do not preheat for more than 8 minutes.
China and earthenware	✓	Porcelain, pottery, glazed earthenware and bone china are usually suitable, unless decorated with a metal trim.
Disposable polyester cardboard dishes	✓	Some frozen foods are packaged in these dishes.
Fast-food packaging		
• Polystyrene cups containers	✓	Can be used to warm food. Overheating may cause the polystyrene to melt.
• Paper bags or newspaper	✗	May catch fire.
• Recycled paper or metal trims	✗	May cause arcing.
Glassware		
• Oven-to-tableware	✓	Can be used, unless decorated with a metal trim.
• Fine glassware	✓	Can be used to warm foods or liquids. Delicate glass may break or crack if heated suddenly.

Cookware	Microwave-safe	Comments
• Glass jars	✓	Must remove the lid. Suitable for warming only.
Metal		
• Dishes	✗	May cause arcing or fire.
• Freezer bag twist ties	✗	
Paper		
• Plates, cups, napkins and kitchen paper	✓	For short cooking times and warming. Also to absorb excess moisture.
• Recycled paper	✗	May cause arcing.
Plastic		
• Containers	✓	Particularly if heat-resistant thermoplastic. Some other plastics may warp or discolour at high temperatures. Do not use Melamine plastic.
• Cling film	✓	Can be used to retain moisture. Should not touch the food. Take care when removing the film as hot steam will escape.
• Freezer bags	✓✗	Only if boilable or oven-proof. Should not be airtight. Prick with a fork, if necessary.
Wax or grease-proof paper	✓	Can be used to retain moisture and prevent spattering.

✓ : Recommended

✓✗ : Use Caution

✗ : Unsafe

CLEANING YOUR MICROWAVE OVEN

The following parts of your microwave oven should be cleaned regularly to prevent grease and food particles from building up:

- Inside and outside surfaces
- Door and door seals
- Turntable and Roller rings

 **ALWAYS** ensure that the door seals are clean and the door closes properly.

 Failure to maintain the oven in a clean condition could lead to deterioration of the surface that could adversely affect the life of the appliance and possibly result in a hazardous situation.

1. Clean the outside surfaces with a soft cloth and warm, soapy water. Rinse and dry.
2. Remove any splashes or stains on the inside surfaces or on the roller ring with a soapy cloth. Rinse and dry.
3. To loosen hardened food particles and remove smells, place a cup of diluted lemon juice on the turntable and heat for ten minutes at maximum power.
4. Wash the dishwasher-safe plate whenever necessary.

 **DO NOT** spill water in the vents. **NEVER** use any abrasive products or chemical solvents. Take particular care when cleaning the door seals to ensure that no particles:

- Accumulate
- Prevent the door from closing correctly

STORING AND REPAIRING YOUR MICROWAVE OVEN

A few simple precautions should be taken when storing or having your microwave oven serviced.

The oven must not be used if the door or door seals are damaged:

- Broken hinge
- Deteriorated seals
- Distorted or bent oven casing

Only a qualified microwave service technician should perform repair.

 **NEVER** remove the outer casing from the oven. If the oven is faulty and needs servicing or you are in doubt about its condition:

- Unplug it from the wall socket
- Contact the nearest after-sales service centre

 If you wish to store your oven away temporarily, choose a dry, dust-free place.

Reason : Dust and damp may adversely affect the working parts in the oven.

 This microwave oven is not intended for commercial use.

TECHNICAL SPECIFICATIONS

SAMSUNG strives to improve its products at all times. Both the design specifications and these user instructions are thus subject to change without notice.

Model	FW77S / FW78S
Power source	230 V ~ 50 Hz
Power consumption Microwave	1250 W
Output power	100 W / 850 W (IEC-705)
Operating frequency	2450 MHz
Magnetron	OM75P(31)
Cooling method	Cooling fan motor
Dimensions (W x H x D) Outside Oven cavity	489 x 275 x 312 mm 330 x 211 x 291 mm
Volume	20 liter
Weight Net	12 kg approx

ЭНЕРГЕТИЧЕСКАЯ ЭФФЕКТИВНОСТЬ

Коэффициент полезного действия, %	55 %
Адрес и наименование лаборатории	Самсунг Электроникс Ко. Лтд. Республика Корея, 416 Маэтан-3 Донг, Ыеонгтонг-Гу, Сувон, Кюнгки-До

Характеристики энергетической эффективности определены согласно
Приказу Министерства промышленности и торговли
РФ от 29 апреля 2010 г. № 357

Normal sharoitlarda belgilangan
maqsadda foydalanishi kerak
Xizmat muddati: 7 yil

MEMO**MEMO**

ENGLISH

	Символ «не для пищевой продукции» применяется в соответствие с техническим регламентом Таможенного союза «О безопасности упаковки» 005/2011 и указывает на то, что упаковка данного продукта не предназначена для повторного использования и подлежит утилизации. Упаковку данного продукта запрещается использовать для хранения пищевой продукции.
	Символ «петля Мебиуса» указывает на возможность утилизации упаковки. Символ может быть дополнен обозначением материала упаковки в виде цифрового и/или буквенного обозначения.



Производитель : Samsung Electronics Co., Ltd /
Самсунг Электроникс Ко., Лтд

Адрес производителя :
(Мэтан-донг) 129, Самсунг-ро, Йонгтонг-гу, Сувон-си,
Гёнгги-до, Корея, 443-742

Адрес мощностей производства :
ЛОТ 2, ЛЕБУХ 2, НОРС КЛАНГ СТРЕЙТС, ЭРИА 21,
ИНДАСТРИАЛ ПАРК, 42000
ПОРТ КЛАНГ, СЕЛАНГОР ДАРУЛ ЭСАН, МАЛАЙЗИЯ

Страна производства : Малайзия

Импортер в России :
ООО «Самсунг Электроникс Рус Компани»
Адрес: 125009, г. Москва, Россия, ул. Воздвиженка 10, 4 этаж

В СЛУЧАЕ ВОЗНИКНОВЕНИЯ ВОПРОСОВ ИЛИ КОММЕНТАРИЕВ

СТРАНА	ТЕЛЕФОН	ВЕБ-УЗЕЛ
RUSSIA	8-800-555-55-55	www.samsung.com/ru/support
GEORGIA	0-800-555-555	
ARMENIA	0-800-05-555	
AZERBAIJAN	088-55-55-555	
KAZAKHSTAN	8-10-800-500-55-500(GSM: 7799, VIP care 7700)	www.samsung.com/support
UZBEKISTAN	8-10-800-500-55-500	
KYRGYZSTAN	8-10-800-500-55-500	www.samsung.com/kz_ru/support
TADJIKISTAN	8-10-800-500-55-500	
MONGOLIA	7-800-555-55-55	
BELARUS	810-800-500-55-500	www.samsung.com/support
MOLDOVA	0-800-614-40	
UKRAINE	0-800-502-000	www.samsung.com/ua/support (Ukrainian) www.samsung.com/ua_ru/support (Russian)

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